

## ABSTRACT

2        A machine for injecting liquids. An air booster pump is adapted to receive injectate. The  
3        air booster pump is in fluid communication with one or more heads having apertures for nozzles.  
4        A hollow tube is preferably, but not necessarily, located within each head and is in fluid  
5        communication with the air booster pump. Injectate flows from the air booster pump into the  
6        head, preferably through the apertures in the wall of the hollow tube. Preferably, but not  
7        necessarily, the head is designed so that upon installation one point of the inside of the head will  
8        be at the highest elevation. Near such point the head has an escape aperture so that any gas  
9        within the injectate that enters the head will tend to flow to and through such escape aperture.  
10      Furthermore, a return line preferably, but not necessarily, takes injectate that flows through the  
11      escape aperture to the low-pressure side of the air booster pump. And also, a drain, in a work  
12      surface to which the head is preferably, but not necessarily, mounted, preferably, but not  
13      necessarily, reclaims injectate and transports it to the low-pressure side of the air booster pump.  
14      Filters exist for the injectate; a main injectate filter can preferably be replaced while the Machine  
15      is operating. And the Machine preferably includes a computer device for controlling its  
16      components and operation.